

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)		
(51) International Patent Classification ⁶ :		(11) International Publication Number: WO 99/45358
G0IN	A2	(43) International Publication Date: 10 September 1999 (10.09.99)
(21) International Application Number: PCT/US99/04549 (22) International Filing Date: 2 March 1999 (02.03.99)		CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
(30) Priority Data: 60/076,621 3 March 1998 (03.03.98)	τ	Published Without international search report and to be republished upon receipt of that report.
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(§4) Title: IDENTIFICATION AND EXPRESSION OF HUMAN KIR5.1 (§7) Abstract The invention provides isolated nucleic acid and amino acid sequences of hKir5.1, antibodies to hKir5.1, methods of detecting hKir5.1, methods of screening for invard rectifier potassium channel activators and inhibitors using biologically active hKir5.1, and kits for screening for activators and inhibitors of inward rectifier potassium channels comprising hKir5.1.		